Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/04/2020 09:50 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125882	0	2.68	125891	2.73
Blue	F	SSC	125000	126433	1	1.96	127258	1.93
Blue	E	FITC	15892	15869	-1	2.78	345	20.27
Blue	D	PE	29999	29977	-1	1.98	654	14.73
Blue	B	PerCP-Cy5-5	43732	44648	2	3.70	1196	20.13
Blue	A	PE-Cy7	30845	31773	3	5.95	606	40.04
Red	C	APC	46112	46206	0	2.50	1634	11.62
Red	A	APC-Cy7	30458	30137	-2	2.47	801	11.85
Violet	B	V450	7918	7733	-3	4.55	433	13.35
Violet	A	V500	32171	31364	-3	4.39	731	10.38

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17585	13.14	620	-1	N/A	N/A	Pass
Blue	F	SSC	57510	1.39	559	0	N/A	N/A	Pass
Blue	E	FITC	63	62.06	542	-1	0.0189	80	Pass
Blue	D	PE	137	49.42	547	-1	0.1621	266	Pass
Blue	B	PerCP-Cy5-5	221	49.42	657	1	0.0093	67	Pass
Blue	A	PE-Cy7	113	98.20	700	2	0.0113	14	Pass
Red	C	APC	390	24.79	583	-1	0.0278	239	Pass
Red	A	APC-Cy7	177	28.24	554	-2	0.0057	933	Pass
Violet	B	V450	65	59.78	456	-2	0.0474	1794	Pass
Violet	A	V500	108	33.11	472	-2	0.0247	777	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-32.41	-31.56	1.06
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.48
Red	18.03	13.60 - 20.40	N/A	N/A	28.85	29.67	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10184

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments